Amendments to the Claim:

1. (currently amended) A method for scheduling a fabrication process comprising the activities of:

initializing a job set to create a set of on time jobs, a set of late jobs and a set of jobs to be scheduled and storing the job set in a memory device; and

operating an information processing system to select a job with a minimum value based on due dates and processing requirements, and if the selection results in a tie between a plurality of jobs then selecting a job from the plurality of tied jobs with a highest order size, and adding the selected job to the set of on time jobs, determine if the set of on time jobs will not exceed scheduled due dates, and modify the set of on time jobs in the memory device if the set of on time jobs exceeds the scheduled due dates.

2. (previously presented) The method of claim 1, further comprising receiving a set of jobs including processing requirements;

3. (previously presented) The method of claim 1, further comprising calculating the minimum value for selecting the job.

4. (previously presented) The method of claim 1, further comprising calculating a processing time to determine the job to move from the set of on time jobs to the set of late jobs in the memory device.

5. (previously presented) The method of claim 4, further comprising moving the determined job from the set of on time jobs to the set of late jobs in the memory device.

6. (previously presented) The method of claim 1, further comprising determining if there are jobs in the set of jobs to be scheduled.

7. Cancelled.

8. (currently amended) The method of claim 1 ~~7~~, further comprising selecting a job with a highest job loading and processing time if the selecting a job with a highest order size results in a tie.

9. (currently amended) A method for scheduling a fabrication process comprising the activities of ~~The method of claim 1, further comprising selecting a job with a~~:

initializing a job set to create a set of on time jobs, a set of late jobs and a set of jobs to be scheduled and storing the job set in a memory device; and

operating an information processing system to select a job with a minimum value based on due dates and processing requirements, and if the selection results in a tie between a plurality of jobs then selecting a job from the plurality of tied jobs with a lowest order size ~~if the modifying results in a tie~~, and adding the selected job to the set of on time jobs, determine if the set of on time jobs will not exceed scheduled due dates, and modify the set of on time jobs in the memory device if the set of on time jobs exceeds the scheduled due dates.

10. (previously presented) The method of claim 9, further comprising selecting a job with a lowest job loading and processing time if the selecting a job with a lowest order size results in a tie.

11. (previously presented) The method of claim 1, wherein the fabrication process includes jobs for fabricating metal works.

12. (currently amended) A machine-readable medium containing instructions for activities, the instructions in the machine-readable medium being accessible by an information device and comprising:

initializing a job set to create a set of on time jobs, a set of late jobs and a set of jobs to be scheduled;

selecting a job with a minimum value based on due dates and processing requirements, and if the selection results in a tie between a plurality of jobs then selecting a job from the plurality of tied jobs with a highest order size, and adding the selected job to the set of on time jobs;

determining if the set of on time jobs will not exceed scheduled due dates; and

modifying the set of on time jobs if the set of on time jobs exceeds the scheduled due dates.

13. (previously presented) A device for providing a representation of user screens for an HMI comprising:

means for initializing a job set to create a set of on time jobs, a set of late jobs and a set of jobs to be scheduled;

means for selecting a job with a minimum value based on due dates and processing requirements, and if the selection results in a tie between a plurality of jobs then selecting a job from the plurality of tied jobs with a highest order size, and adding the selected job to the set of on time jobs;

means for determining if the set of on time jobs will not exceed scheduled due dates; and

means for modifying the set of on time jobs if the set of on time jobs exceeds the scheduled due dates.